C-X-C Motif Chemokine 10 (CXCL10) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	C-X-C motif chemokine 10 (Cxcl10), Recombinant Protein
Full Product Name	Recombinant Rat C-X-C motif chemokine 10 (Cxcl10)
Product Gene Name	Cxcl10 recombinant protein
Sequence	IPLARTVRCT CIDFHEQPLR PRAIGKLEII PASLSCPHVE IIATMKKNNE KRCLNPESEA IKSLLKAVSQ RRSKRAP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	10,729 Da
Sequence Positions	22-98, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P48973
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cxcl10 recombinant protein	This gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression.
Other Notes	Small volumes of Cxcl10 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Cxcl10 purchase	MBS957500 is a recombinant protein targeting Cxcl10. Also known as Recombinant Rat C-X-C motif chemokine 10 (Cxcl10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cxcl10. It may not necessarily be applicable to this product.

NCBI GI #	20806125
NCBI GeneID	245920
NCBI Accession #	NP_620789.1
UniProt Primary Accession #	P48973
UniProt Secondary Accession #	P70538; Q6GTC7
UniProt Related Accession #	P48973

GenBank Nucleotide #	NM_139089.1
NCBI Official Full Name	C-X-C motif chemokine 10
NCBI Official Synonym Full Names	C-X-C motif chemokine ligand 10
NCBI Official Symbol	Cxcl10
NCBI Official Synonym Symbols	IP-10; Scyb10
UniProt Protein Name	C-X-C motif chemokine 10
UniProt Synonym Protein Names	10 kDa interferon gamma-induced protein; Gamma-IP10; IP-10; Interferon-inducible protein 10; Protein Mob-1; Small-inducible cytokine B10
Protein Family	C-X-C motif chemokine
UniProt Gene Name	Cxcl10
UniProt Synonym Gene Names	Inp10; Mob1; Scyb10; Gamma-IP10; IP-10
NCBI Protein Information	C-X-C motif chemokine 10
NCBI Summary for Cxcl10	induces DNA synthesis, cell proliferation, and cell migration in vascular smooth muscle cells; may play a role in vascular remodeling [RGD, Feb 2006]
UniProt Comments for Cxcl10	In addition to its role as a proinflammatory cytokine, may participate in T-cell effector function and perhaps T-cell development.
Research Articles on Cxcl10	**1.** CXCL10 is a circulating inflammatory marker elevated in advanced heart failure.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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